Jason Zheng

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EDUCATION

Stony Brook University <div align="right">Stony Brook, NY</div>
Bachelor of Science in Computer Science <div align="right">Aug. 2019 – May 2023</div>
- Cumulative GPA: 3.6/4.0
- Achievement: Dean's List and Presidential Scholarship
- Courseworks: Object Oriented Programming, Data Structures, Analysis of Algorithm, Programming Abstractions, Software Development, Computer Architecture, Codepath iOS Development, Cloud Computing

EXPERIENCE

Software Engineer Intern <div align="right">June 2022 – August 2022</div>
United Health Group Optum Technology <div align="right">New York, NY</div>
- Developed 6 micro services for company's internal Enterprise ID Card software serving millions of members using Java Spring Boot, deployed on Jenkins CI/CD, scaled with Kubernetes and Apache Kafka for communication
- Refactor existing code by rewriting redundant code to improve the team's ability to debug application resulting in delivering features a day early each sprint and queuing writes to Amazon S3 to improve record processing time
- Worked with agile methodology daily to identify any risks, potential roadblocks, collaboration items and user story requirements

Information Technology Support Intern <div align="right">June 2016 – June 2018</div>
NYCDOE Francis Lewis High School <div align="right">Fresh Meadows, NY</div>
- Provided technological support for faculties and staffs at one of the most populated school in NYCDOE school system, performed diagnostics on all help desk support tickets received including network and printer issues
- Organized a new ticket resolution system to improve efficiency and resolve important tickets same day, compared to the previous 48 hour timeline
- Assisted in the organization of Francis Lewis High School's first successful hackathon, LewHacks, with sponsors from Google, Intel, and Microsoft

PROJECTS

DocuCollab | *React, Express, Node, MongoDB, Nginx*
- Full stack web application that allows multiple users to collaborate to edit document in real time utilizing CRDT
- Designed the program architecture to handle creation of 100+ users concurrently and over 2000 edits a second with 95th percentile latency of 55ms
- Utilized RabbitMQ to communicate between services and allow for concurrent processing of user edits

Chowtime | *Swift, Parse/MongoDB*
- Developed an iOS application using Swift and Parse SDK for data persistence
- App allows user to create meal planners to track their daily macro-nutrients intake and dynamically display updated planner
- Utilize Parse's CRUD operations to fetch and modify User documents and their meal documents(NoSQL)
- Conforms to the Model-View-Controller architecture and utilizes Delegation pattern

Other Projects: *Restaurant Landing Page(Web), Parstagram(iOS), Simon Game(Web)*, Snake Game(Python GUI)

LEADERSHIP/EXTRACURRICULAR

Captain/Company Commander
Junior ROTC <div align="right">Fresh Meadows, NY</div>
- Served as a mentor for 150 assigned cadet, guiding them through their high school journey, instilling core citizen value in them and maintained 100% graduation rate for those enrolled in all four years
- Coordinated battalion events, activities and other projects with the instructors and my subordinates including Season of Sacrifice charity event and a community service project

TECHNICAL SKILLS

Languages: Java, Javascript, Swift, C, Python, NoSQL(MongoDB), SQL(Postgres)
Frameworks: React, Node.js, Express, Spring Boot, Kafka
Developer Tools: Git, VS Code, PyCharm, IntelliJ, Postman, MongoDB Compass